

***NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY***

**Wastewater Treatment Plant Compliance Inspection Reports
Summary – 1st and 2nd quarter 2014**

August 14, 2014

*Prepared in accordance with Section 6.2 of the November 2007 United States
Environmental Protection Agency Filtration Avoidance Determination*

*Summary of SPDES compliance inspections of East-of-Hudson and West-of-Hudson
Wastewater Treatment Plants*

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Introduction

The New York City (NYC) Watershed supplies drinking water to nearly 8,000,000 NYC residents and an additional 1,000,000 residents of upstate communities. The watershed area consists of approximately 2,000 square miles of lands in upstate New York and includes a system of natural and man-made tributaries, which directs the source waters, via subsurface aqueducts, to a series of reservoirs and controlled lakes. Drinking water quality is dependent on maintaining the quality of the source waters that supply the reservoirs within the watershed. Therefore, the source waters must be protected from wastewater treatment plants (WWTP) that are located and discharge within the watershed.

To maintain and provide a safe drinking water supply, the New York City Department of Environmental Protection (DEP) has taken a leadership role in improving and encouraging other communities within the watershed to improve their respective wastewater treatment facilities. Preventing the degradation and contamination of the source waters and reservoirs must include continuous monitoring and a periodic comprehensive review of the WWTP's located within the watershed. The WWTP's vary greatly in size and treatment methods and provide service to municipalities, institutions, commercial businesses, seasonal camps, and private residences. To ensure that these plants are being operated and maintained in accordance with the limits and conditions established in their State Pollutant Discharge Elimination System (SPDES) permits, DEP has instituted a program of inspecting all wastewater facilities within the watershed on a quarterly basis. In addition, DEP incorporates a sampling program of regular monitoring of the effluent parameters of all treatment plants in the watershed. A comparative analysis of DEP monitoring data along with the facility self-monitored effluent readings presented within the Discharge Monitoring Reports (DMR) establishes patterns of compliance. DEP uses these sampling results to assist plant operators or to initiate enforcement activities as necessary.

Inspection Program Goals

A number of goals are targeted for the Wastewater Treatment Facility Inspection Program. A primary goal of the program is to identify operational and maintenance (O&M) improvements which will enhance the facility's ability to meet and/or exceed existing SPDES requirements. DEP personnel will share their technical expertise with plant management and operators to offer easy-to-implement operational changes, which may result in significant improvements to the plant's operation. Capital upgrades may also be recommended to ensure long-term compliance with SPDES permit requirements or greater ease and reduced cost of operations.

Following an inspection and review of DEP sampling and the facility's self-monitoring data, if the problems are not evident or easily resolved; the DEP may require that non-compliance be addressed by the permittee through an independent evaluation of the facility. If a facility is not willing to address non-compliance to the conditions of its SPDES permits or if an adequate response is not given, the case will be referred to DEP's legal counsel for follow-up enforcement action.

DEP has taken enforcement actions against a number of wastewater treatment facilities in the watershed for specific violations of their SPDES permits. Under Clean Water Actions filed by the City of New York, wastewater plant owners are often required by DEP legal counsel to enter into orders of consent by which they agree to remediate their facility and return to compliance with the SPDES permit. Regular inspections by DEP personnel ensure that the repairs and/or corrections are being completed in accordance with the consent order.

Regular inspections allow DEP to follow-up on instances of non-compliance, mistakes or problems with self-monitoring reporting or record keeping, or modifications or expansions to the facility. Inspections also allow DEP engineers to maintain a good working relationship with the treatment plant operators in the watershed.

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Inspection Program Structure

DEP has a staff of professional engineers and technicians experienced in wastewater treatment facility design and operations. The staff conducts scheduled inspections for all year-round operating wastewater facilities every quarter (four times per year), and inspections in two out of four quarters for seasonal operating facilities, groundwater remediation sites, or industrial permits. To provide for continuity, each staff member is assigned specific facilities for their responsibility. Those staff members have familiarized themselves with their assigned facilities by developing process flow schematics and reviewing as-built drawings and operation and maintenance manuals, where possible. The DMR and DEP sampling data is updated and assessed regularly by the staff person. This data is evaluated to determine if the facility is in compliance with the permitted effluent limits.

Following the inspections, the reports are sent to the facility owner and operator, the New York State Department of Environmental Conservation (NYSDEC), and the New York State Department of Health (NYSDOH), or County/local Health Department, where appropriate. Copies are also provided to the U.S. Environmental Protection Agency (USEPA). The staff person will be available for follow-up discussions, as necessary. The report is intended to initiate a two-way discussion between the owner/operator and DEP.

Unless required in milestones for a consent order or under an enforcement action related to permit exceedances, the facility owner with the help of the plant operator is responsible for scheduling capital upgrades or O&M changes as needed to allow the plant to continue to operate efficiently. DEP may become involved in these discussions when necessary. Since most facilities are inspected four times per year, DEP staff has a greater opportunity to discuss compliance issues with the operator and owner. If necessary, DEP will take enforcement action to ensure timely compliance. For example, if DEP finds that a facility owner is not responsive to suggestions to correct a violation or is dissatisfied with the speed or effort of a remediation, a 60-Day Notice of Intent to Sue under the Federal Clean Water Act filed by the New York City Law Department is an option the DEP has gone to in order to legally force compliance.

Compliance Inspection Report Content

This report meets the requirements of Filtration Avoidance Determination for the first and second quarter of 2014. Included in the Deliverable are the Compliance Inspection summaries for each facility in the Catskill/Delaware and Croton Watershed that was inspected. Each Compliance Inspection summary contains the following: 1) Facility name and SPDES Permit Number, 2) General Comments, 3) Inspection dates and findings, 4) SPDES permit exceedances/violations, 5) Enforcement actions by DEP, and 6) Miscellaneous items.

There are also industrial facilities or groundwater remediation systems that are either no longer discharging to surface waters, or are groundwater remediation sites, which are closed in accordance with the NYSDEC. These sites continue to be monitored via the national Permit Compliance System (PCS System). These facilities have surface water discharge permits; however they are not inspected routinely nor reported on because of the lack of activity. In the event that any discharge is reported, or observed during DEP informal site visits, regular inspections will be initiated at such facilities.

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Facility: Andes (T) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0262854 | Yes | No | Yes |

Comments

None.

Inspections

On March 25, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 26, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Ashland

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0263214 | Yes | No | Yes |

Comments

None.

Inspections

On March 10, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 3, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On April 1, 2014, a DMR monitoring result indicated a violation of FLOW EFFLUENT 30 DAY AVG with a sample result of 0.028 MGD exceeding the SPDES limit of 0.026 MGD. A Report of Noncompliance Event was filed with DEC/DEP. High flows attenuated by having homeowners disconnect sump pumps from collection system. There were no mechanical or process control abnormalities that could have led to this reading. All wet chemistry and bacteriological values for the period demonstrate no upset within the biological and filtration process. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

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Facility: Boiceville (v) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Ashokan | NY0274038 | Yes | No | Yes |

Comments

The facility employs a sequential batch reactor (SBR), a dual-tank, flow through process that integrates sedimentation, aeration, decant and sludge thickening all within one process. The facility has experienced some difficulty during the settling stage of the process. This has led to sporadic violations of the SPDES permit limitations for ammonia; it's provided an opportunity to troubleshoot the physical and operational parameters that led to this condition. There are a few possible causes for poor settling, including organic overload, flow and interval sequence, temperature, dissolved oxygen concentrations or inadequate reactor capacity. The Town has commissioned Phil Smith, formerly NYSDEC Facility Operations Assistance Section, to collect data and identify the potential causes of the solids loss. The plant will perform microscopic analysis of the aerobic bacteria and conduct a sampling profile, including TKN and Nitrate testing, during each SBR cycle to establish proper timing and a suitable solids inventory to optimize nitrification. Mr. Smith will provide written recommendations for proper operating procedures to maintain the SBR in good working condition.

Inspections

On March 13, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 11, 2014 RCI staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Influent Impact on Operations' received a rating of Marginal with comments: 'The facility is having I & I issues during heavy rain events. The operators are saying that the increase in flow occurs sometime after the heavy rains start and continues for a period longer than expected. This is leading them to believe that some of the residents may have sump pumps connected to the collection system. The flow increase puts the SBR's into a storm mode that reduces the cycle times to increase forward flow. This combined with the settling problems has caused solids to carry over from the SBR to the sand filters. They are adding soda ash to the influent to increase the pH. Composite sampling being conducted at the time of the inspection. '

Item: 'D1. SBR's' received a rating of Marginal with comments: 'Foam in both tanks. The SBR's are still having settling issues and the operators are continuing to investigate possible reasons.'

SPDES Permit Exceedance(s)

On January 1, 2014, DMR monitoring data indicated a violation of NH3 WINTER DAILY MAX with a sample result of 4.7 mg/l exceeding the SPDES limit of 2.2 mg/l.

On April 1, 2014, DMR monitoring data indicated a violation of NH3 WINTER DAILY MAX with a sample result of 5.2 mg/l exceeding the SPDES limit of 2.2 mg/l.

Enforcements

None.

Miscellaneous

None.

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Facility: Chichester (H) SSTS

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Ashokan | NY0233943 | Yes | No | Yes |

Comments

None.

Inspections

On March 10, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'A7. Influent Impact on operations' received a rating of Marginal with comments: 'Hydraulic overloads to system continue. No breakouts noted in leach field. Efficient wastewater supernatant distribution may be alleviating overload issue. Operator working on resolving intermittent I&I issues.'

On June 16, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'A7. Influent Impact on operations' received a rating of Marginal with comments: 'Hydraulic overloads to system continue. No breakouts noted in leach field. Efficient wastewater supernatant distribution may be alleviating overload issue. Operator working on resolving intermittent I&I issues.'

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

DEP Operations Directorate has completed significant infiltration & inflow (I&I) reduction in the system.

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Facility: Delaware BOCES WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0097446 | Yes | No | Yes |

Comments

None.

Inspections

On March 24, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 3, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Delhi (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0020265 | Yes | No | Yes |

Comments

None.

Inspections

On March 26, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 5, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Elka Park WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0092991 | Yes | No | Yes |

Comments

None.

Inspections

On March 25, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 6, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Fleischmanns (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0261521 | Yes | No | Yes |

Comments

None.

Inspections

On February 11, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 5, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Friesland Campina - DOMO (Cooling Water)

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0262838 | Yes | No | Yes |

Comments

None.

Inspections

On June 24, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

This permitted discharge is for the cooling water only. It is not related to the industrial pre-treatment facility for their process water.

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Facility: Grahamsville (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Rondout | NY0026549 | Yes | No | Yes |

Comments

None.

Inspections

On March 11, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On April 29, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

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Facility: Grand Gorge (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0026565 | Yes | No | Yes |

Comments

None.

Inspections

On February 11, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On April 17, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

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Facility: Hanah Country Club WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0249777 | Yes | No | Yes |

Comments

None.

Inspections

On March 11, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D2. Clarifier' received a rating of Unsatisfactory with comments: 'The floc mixing unit is out of service and has been removed. The operator stated that the chemical injection point in the feed pipe within the building provides enough natural mixing and the phosphorous removal is adequate. The clarifier is still in use, effluent clarity is acceptable.'

On June 13, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D2. Clarifier' received a rating of Unsatisfactory with comments: 'The floc mixing unit is out of service and has been removed. The operator stated that the chemical injection point in the feed pipe within the building provides enough natural mixing and the phosphorous removal is adequate. The clarifier is still in use, effluent clarity is acceptable.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Hobart (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0029254 | Yes | No | Yes |

Comments

None.

Inspections

On February 26, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 9, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Hunter (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0241075 | Yes | No | Yes |

Comments

None.

Inspections

On March 18, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 12, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On January 15, 2014, a DEP laboratory sample indicated a Giardia positive sample with a value of 2. Staff notified the chief operator (Josh Vital) at the WWTP. There was no malfunction of the tertiary/filtration process (CBUDSF) or chemical addition system and no turbidity spikes recorded. There were no mechanical or process abnormalities that could have led to the positive detection. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological process. The plant did push high flows through the system from January 14th through 16th (peak flows of 167, 160 and 163 GPM for each day respectively) in an effort to reduce the levels in the tanks prior to the busy Martin Luther King Jr. holiday ski weekend. Plant self-monitoring data and DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

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Facility: Hunter Highlands WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0061131 | Yes | No | Yes |

Comments

None.

Inspections

On February 20, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory. On February 12, 2014, a DEP laboratory sample indicated a Giardia positive sample with a value of 1. Around the time the pathogen sample was collected, the plant splitter box froze, leading the operator to redirect all plant flow to 1 of 2 aeration trains. This caused abnormal short cycling of the dual sand filters. This condition may have led to the positive detection; there were no other mechanical or process abnormalities. There was no malfunction of the chemical addition system and no turbidity spikes recorded. The operator will air-lance the filters with greater frequency (quarterly to monthly) during the ski season and will inform DEP staff of any plant abnormalities in the future.

On May 13, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On February 1, 2014, DMR monitoring data indicated a violation of PH MIN with a sample result of 6.24 S.U., exceeding the SPDES limit of 6.5 S.U. A report of noncompliance event was filed with DEC/DEP, for an event(s) occurring on 02/01/14. Anomalous low pH abated due to self-attenuation. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no enforcement is necessary. There did not appear to be any mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological process. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

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Facility: Kraft Dairy (Cooling Water)

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0008494 | Yes | No | Yes |

Comments

None.

Inspections

On June 3, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On April 1, 2014, DMR monitoring data indicated a violation of BOD5 DAILY MAX with a sample result of 11 mg/l, exceeding the SPDES limit of 5 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. The high BOD5 result was attributable to a contaminated sample bottle. A resample produced a BOD5 result of 2 mg/l.

Enforcements

None.

Miscellaneous

This permitted discharge is for the cooling water only. It is not related to the industrial pre-treatment facility for their process water.

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Facility: L'man Achai (Camp) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0104957 | Yes | Yes | Yes |

Comments

This facility is used on a seasonal basis for the summer months only.

Inspections

On June 24, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Bldg. /grounds/housekeeping' received a rating of Unsatisfactory with comments: 'WWTP building and grounds unmanaged, no operator yet however camp is technically open for the season. Camp staff arriving with no certified operator at WWTP due to lack of payment. Owner verbally warned that operator is required. Key to building available.'

Item: 'A7. Influent Impact on operations' received a rating of Unsatisfactory with comments: 'Valve closed. Facility offline and no operator present due to lack of payment per operator. Plant equalization tank has about 7' of available capacity, yet it is filling up. Hunter Environmental is scheduled to be onsite 6/25/14 to further pump down EQ tank.'

On June 26, 2014, staff performed a Reconnaissance Inspection of the facility and delivered a verbal warning to the facility operating manager for not having a certified WWTP operator onsite leading up to the camp season. Septic tanks were fully pumped down by Hunter Environmental while doing inspection. There is available capacity in pumped down tankage to accept minimal flows, Hunter Environmental will continually pump down tanks to allow for more capacity. Previous operator would not show on site to operate the WWTP until last year's final payment was sent. Contract operator will be onsite for WWTP startup later this afternoon.

SPDES Permit Exceedance(s)

None.

Enforcements

Contract disputes & delayed arrivals by certified operators are prevalent at seasonal facilities. DEC and DEP will schedule pre-season start-up discussion for every January WECC meeting and will conduct joint inspections during pre-season start-up period to ensure plants are in compliance with Part 650 regulations.

Miscellaneous

None.

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Facility: Machne Tashbar (seasonal camp)

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0263061 | Yes | Yes | Yes |

Comments

None.

Inspections

On June 4, 2014, staff performed a Reconnaissance Inspection of the facility. Discussed overflow from the equalization (EQ) tank over the Memorial Day holiday with the contract operator, Joe Myers. Discussed plant startup plans for upcoming camp season.

On June 23, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

On June 6, 2014, staff issued a Warning Letter for an equalization tank overflow occurring on or about 5/25/2014. The overflow was not sewage but still constituted an illicit discharge from a process tank. DEC concurred with our approach.

Contract disputes & delayed arrivals by certified operators are prevalent at seasonal facilities. DEC and DEP will schedule pre-season start-up discussion for every January WECC meeting and will conduct joint inspections during pre-season start-up period to ensure plants are in compliance with Part 650 regulations.

Miscellaneous

DEP received a report on May 25, 2014 from a private citizen regarding an overflow from the plant EQ tank. The facility believed they had a crack in one of the return lines from the dual sand filter back to the flow equalization tank. In testing the integrity of the line, the contracted plumber ran fresh water through the piping and never shut it down. This resulting overflow from the EQ basin was well water and not raw sewage. Hunter Environmental was called in to pump down the EQ tank on May 26, 2014. There were no camper's onsite and no wastewater conveyed to the plant to that point. Joe Myers contract to operate the facility begins June 1st.

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Facility: Margaretville (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0026531 | Yes | No | Yes |

Comments

None.

Inspections

On March 5, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 1, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

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Facility: Morningstar/Ultra Dairy, Non-Contact Cooling Water

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0068292 | Yes | No | Yes |

Comments

None.

Inspections

On June 24, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On April 1, 2014, DMR monitoring data indicated a violation of TEMP with a sample result of 81 degrees Fahrenheit exceeding the SPDES limit of 80 degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned reading. High temperature recorded while calibrating meter; attributable to recording instrument error.

Enforcements

None.

Miscellaneous

This permitted discharge is for the cooling water only. It is not related to the industrial pre-treatment facility for their process water.

NYCDEP WWTP Inspection Program
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August 2014

Facility: Mountain View Estates

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0263052 | Yes | No | Yes |

Comments

None.

Inspections

On March 10, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 29, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On March 1, 2014, DMR monitoring data indicated a violation of NH3 WINTER DAILY MAX with a sample result of 5.8 mg/l exceeding the SPDES limit of 2.2 mg/l.

On March 1, 2014, DMR monitoring data indicated a violation of PHOS 30 DAY AVG with a sample result of 2.3 mg/l exceeding the SPDES limit of 1.0 mg/l.

A Report of Noncompliance Event was filed with DEC/DEP, for an event(s) occurring on March 1, 2014. Frigid temperatures affected biological process which in turn negatively affected ammonia and phosphorus concentrations in effluent. The operator switched the air intake to inside of building to alleviate this abnormal condition. There were no mechanical or process abnormalities that could have led to the violations. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Mountainside Farms-Worcester Creameries (Lagoon)

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0084590 | Yes | No | Yes |

Comments

The new WWTP is on line and processing all flow from the dairy. Operation and maintenance appear satisfactory and the plant is in substantial compliance with its SPDES permit requirements. This is a sub-surface discharge and many of the parameters are monitor only.

Inspections

On March 19, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'C1. Clarifier' received a rating of Unsatisfactory with comments: 'On February 19th, the welds gave way on the center ring for the clarifier and it fell into the tank. The tank was emptied, a cable and chain were attached and the ring lifted back into position. It is floating freely and working at a reduced efficiency. They conducted jar testing to change up the settling process to get more solids to the bottom of the clarifier. The lower flights were not damaged and they can waste sludge. The only way to install a new ring is to remove the cover and the catwalk with a crane and then use the crane to remove and set a new one in place. Since the upgrade project is so close to completion, it was agreed that a full repair was unnecessary until the new plant is on line. The damaged clarifier has not had an impact on the downstream components.'

Item: 'C5 UV' received a rating of Marginal with comments: 'Foam in the trough on a regular basis. UV intensity values usually run on the lower side. The A and B units showed turbidity values of 1.0 and 2.1 mW/cm2 respectively with 3171 running hours.'

On June 13, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

Numerous upgrade construction inspections were conducted and monthly progress meetings were attended by DEP staff. All of the equipment inside the tanks and buildings are installed. The electric work and control wiring are complete. Main electric supply was connected by NYSEG and the back-up generator is set. HVAC work in the buildings is complete. They have filled all process tanks and equipment throughout the clean water start-up. They have introduced seed sludge and dairy waste into the EQ tanks to increase the MLSS and brought the membrane bioreactor (MBR) unit on-line. The plant will be afforded a start-up period of six months following issuance of functional completion certification to achieve final SPDES permit limits.

SPDES Permit Exceedance(s)

The facility self-monitoring data and DEP laboratory readings indicates numerous violations of the SPDES permit for pH, TSS and BOD5 for the January, February, March, April and May 2014 monitoring periods.

Enforcements

The facility is currently under a DEC consent order; a full plant modification is required by the order. DEP issued an approval for installation of an MBR on March 12, 2012. DEP and NYSEFC issued a notice to proceed with construction contract; a pre-construction meeting was held on November 29, 2012. A Functional Completion inspection was completed on April 24, 2014.

Miscellaneous

As previously reported, this facility had chronic issues with the previous treatment process. The operator aggressively adjusted process control and coagulant feed as much as possible, but the system responded slowly. The newly modified plant has been running well and does not exhibit any of the shortcomings of the old process. This is a permitted subsurface discharge and has no direct impact on the water supply.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Oh-Neh-Tah (Camp) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0205460 | Yes | Yes | Yes |

Comments

This facility is used on a seasonal basis for the summer months only.

The camp will not open during the summer season due to new owners and directors who want to renovate all cabins and bathrooms. A new collection system for the entire camp was added during the facility upgrade at the camps expense.

Inspections

On March 18, 2014, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory. The grounds were still snow covered.

On June 16, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Olive Woods (Woodstock Percussion) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Ashokan | NY0098281 | Yes | No | Yes |

Comments

None.

Inspections

On March 26, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. General' received a rating of Marginal with comments: 'There are two trees leaning from hurricane Sandy. They are leaning in the direction of both the propane tank and the backup generator. Provisions should be made to remove the trees before they fall.'

On June 11, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Oorah Camp (former Golden Acres Farms (#001)) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0069957 | Yes | Yes | Yes |

Comments

This facility is used on a seasonal basis for the summer months only.

Inspections

On June 24, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Bldg. /grounds/housekeeping' received a rating of Unsatisfactory with comments: "They have added a 100 amp circuit breaker at the WWTP electric panel for the supply lines that were originally connected to the panel directly at the main lugs. At least this will prevent an amperage overload from the trailers and the supply to them can be turned off. The trailers that are connected to the WWTP electrical panel are not grounded with steel rods at the trailer site. A strike by lightning to either trailer can cause damage to the WWTP panel as well as expensive treatment components. The facility would be responsible for all repair costs.'

SPDES Permit Exceedance(s)

On June 1, 2014, DMR monitoring data indicated a NITRATE DAILY MAX result of 19.9 mg/l exceeding the SPDES action level of 10 mg/l. A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned reading. There was a late start-up at the facility due to a bad 3-phase inverter that needed to be replaced. The operator will closely monitor the pH of the feed water. The ion exchange vessel was regenerated to optimize its application for nitrate removal. DEP laboratory data indicates full compliance with all SPDES parameters.

On June 1, 2014, DMR monitoring data indicated a TDS sample result of 830 mg/l exceeding the SPDES action level of 500 mg/l. A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned reading. There was a late start-up at the facility due to a bad 3-phase inverter that needed to be replaced.

On June 1, 2014, DMR monitoring data indicated a violation of NH3 DAILY MAX with a sample result of 4.4 mg/l exceeding the SPDES limit of 1.5 mg/l. A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned reading. There was a late start-up at the facility due to a bad 3-phase inverter that needed to be replaced. The ion exchange vessel was regenerated to optimize its application for ammonia removal. DEP laboratory data indicates full compliance with all SPDES parameters.

On June 1, 2014, DMR monitoring data indicated an omission of PHOS 30 DAY AVG, the SPDES limit of 1 mg/l. A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned reading. There was no phosphorus test conducted by the contract laboratory due to an incomplete chain of custody form.

Enforcements

Contract disputes & delayed arrivals by certified operators are prevalent at seasonal facilities. DEC and DEP will schedule pre-season start-up discussion for every January WECC meeting and will conduct joint inspections during pre-season start-up period to ensure plants are in compliance with Part 650 regulations.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Pine Hill (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Ashokan | NY0026557 | Yes | No | Yes |

Comments

None.

Inspections

On March 27, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 30, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Prattsville (v) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0263028 | Yes | No | Yes |

Comments

None.

Inspections

On March 19, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 24, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Richardson Hill Road Landfill

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0413008 | Yes | No | Yes |

Comments

None.

Inspections

On June 3, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Roxbury Lift Station

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | RC0000008 | Yes | No | No |

Comments

None.

Inspections

On March 21, 2014, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory.

On June 16, 2014, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Roxbury Run Village WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Pepacton | NY0099562 | Yes | No | Yes |

Comments

None.

Inspections

On March 11, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A9. Flow Metering' received a rating of Marginal with comments: 'An estimate has been received for a new flow meter and chart recorder for the influent building. This location is the least expensive and easiest location to install a new unit. The estimate was about six thousand dollars. The operators are waiting for approval from the Town to order the equipment.'

Item: 'E2. Dechlorination' received a rating of Marginal with comments: 'The feed line is clogged at this point and the operators are using tablet dechlorination at the post air tank as a temporary measure. Unfortunately the line is buried and has a tendency to clog at low temperatures even with the heat trace.'

Item: 'E4. Effluent condition' received a rating of Marginal with comments: 'The turbidity meter still needs to be calibrated. It was due last August. The turbidity was 0.078 NTU's. '

On June 13, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A9. Flow Metering' received a rating of Marginal with comments: 'An estimate has been received for a new flow meter and chart recorder for the influent building. This location is the least expensive and easiest location to install a new unit. The estimate was about six thousand dollars. The operators are waiting for approval from the Town to order the equipment.'

Item: 'D8. Turbidity Meter' received a rating of Unsatisfactory with comments: 'The turbidity meter was last calibrated on August 8, 2013 and should be done annually.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Stamford (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0021555 | Yes | No | Yes |

Comments

None.

Inspections

On March 26, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 9, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On March 1, 2014, DMR monitoring data indicated a violation of TURBIDITY with a sample result of 10.2 NTU exceeding the SPDES maximum of 5.0 NTU. A Report of Noncompliance Event was filed with DEC/DEP, for the aforementioned SPDES violation. The reported effluent turbidity was attributable to an ash laden feed water resulting from a large hotel fire within the village. The heavily turbid water was washed into the collection system and was processed by the plant. There did not appear to be any other mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological and filtration process. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

On June 6, 2014, staff filed an Incident Report pertaining to a 2,000 gallon spill of sand filter backwash that occurred on WWTP grounds. The spill was contained onsite and did not reach any watercourse.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Tannersville (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0026573 | Yes | No | Yes |

Comments

None.

Inspections

On February 18, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On April 14, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Timber Lake (Camp) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Ashokan | NY0240664 | Yes | Yes | Yes |

Comments

This facility is used on a seasonal basis for the summer months only.

Inspections

On January 31, 2014, staff performed a Reconnaissance Inspection of the facility. The heat was off in the building due to a dead battery in the thermostat. The water in the toilet, hot water heater and the effluent weir was frozen solid. All of the water to the building was turned off and the MF units were drained and did not freeze. Staff contacted the caretaker at the facility, he arrived to change the batteries and get the heat started. The back door not was unsecured and the roll up overhead door not completely closed (up about one half inch). The roll up door and the back door needs to be repaired to be locked again. The caretaker was aware of both of those issues. One MF compressor was making a load noise. There was a leak in the tubing at one of the MF units that made this one run continuously and the other one did not cycle on. A new compressor should be ordered.

On June 17, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'E4. Effluent Pipe' received a rating of Unsatisfactory with comments: 'A discharge sign needs to be installed at the outfall.'

SPDES Permit Exceedance(s)

None.

Enforcements

Contract disputes & delayed arrivals by certified operators are prevalent at seasonal facilities. DEC and DEP will schedule pre-season start-up discussion for every January WECC meeting and will conduct joint inspections during pre-season start-up period to ensure plants are in compliance with Part 650 regulations.

Miscellaneous

Staff contacted the WWTP contract operator to discuss all of the problems that were found at the facility over the winter. DEP advised the operator to inspect the plant during the off-season to check all of the equipment for damages.

On June 19, 2014, staff received a call from the contract operator. The facility will replace the air compressor at a cost of \$8,000.00.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Walton (V) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cannonsville | NY0027154 | Yes | No | Yes |

Comments

None.

Inspections

On March 24, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 14, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Windham (T) WWTP

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Schoharie | NY0262935 | Yes | No | Yes |

Comments

None.

Inspections

On March 18, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 16, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None

Miscellaneous

On February 7, 2014, sewage overflowed from a manhole located along the Crystal Pond connection, just outside of Hensonville. The incident lasted 25 minutes, no estimate on the amount of the spill. The operators shut down the pumps at the Crystal Pond pump station, diverted the wastestream to the flow equalization tank and cleared the clogged line. The area was cleaned and the pump station was immediately restored. The overflow did not reach a receiving stream and did not impact water quality.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Carmel Sewer District #2

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Croton Falls | NY0031356 | Yes | No | Yes |

Comments

None.

Inspections

On March 6, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'D7.0 Microfiltration System' received a rating of Marginal with comments: 'Cold temperatures in waste stream'.

On May 21, 2014, staff performed a Quarterly Inspection. . Items rated less than (S) satisfactory are indicated below:
Item: 'E1. Disinfection U/V' received a rating of Marginal with comments: 'Units are due for new bulbs.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Clear Pool Camp

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| West Branch | NY0098621 | Yes | No | Yes |

Comments

None.

Inspections

On February 19, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 13, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Hill Sparrow (The Fairways at Hill and Dale)

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Croton Falls | NY0165719 | Yes | No | Yes |

Comments

None.

Inspections

On March 18, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 5, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Lewisboro Elementary School

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cross River | NY0036684 | Yes | No | Yes |

Comments

None.

Inspections

On March 18, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 5, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Mahopac

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Croton Falls | NY0026590 | Yes | No | Yes |

Comments

None.

Inspections

On January 16, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On April 9, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On March 1, 2014, a DMR monitoring result indicated a violation of UOD LBS DAILY MAX with a sample result of 96.8 lbs/day, exceeding the SPDES limit of 63 lbs/day.

On March 1, 2014, a DMR monitoring result indicated a violation of NH3 WINTER 30 DAY AVG with a sample result of 15.6 mg/l exceeding the SPDES limit of 2.2 mg/l.

On March 1, 2014, a DMR monitoring result indicated a violation of UOD DAILY MAX with a sample result of 67.5 mg/l exceeding the SPDES limit of 25 mg/l.

There did not appear to be any mechanical or process control abnormalities that could have led to the elevated readings during the March 2014 monitoring period. They are most likely caused by cold temperatures that diminish the ability to nitrify the wastestream. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological and filtration process. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Meadows at Cross River

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cross River | NY0099520 | Yes | No | Yes |

Comments

None.

Inspections

On January 9, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D5. Turbidimeter' received a rating of Marginal with comments: 'Filtrate turbidimeter repaired. Pre-filter should be replaced.'

On April 4, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D5. Turbidimeter' received a rating of Marginal with comments: 'Filtrate turbidimeter repaired. Pre-filter should be replaced.'

SPDES Permit Exceedance(s)

On March 1, 2014, a DMR monitoring result indicated a violation of PHOS DAILY MAX with a sample result of 1.07 mg/l exceeding the SPDES limit of 1.0 mg/l. On April 16, 2014, a Report of Noncompliance Event was filed with DEC/DEP, for an event occurring in March 2014. Effluent phosphorus was above SPDES limits. The cause was insufficient chemical dosage. The operator increased chemical dosage and compliance has been restored. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no enforcement is necessary. There did not appear to be any mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological process. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Michelle Estates

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cross River | NY0214841 | Yes | No | Yes |

Comments

None.

Inspections

On February 7, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On May 1, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

DEP staff met with representatives from Keane Coppleman (plant operator), Arcadis (facility consultant) and Katonah Management (owner) on several occasions to discuss the loss of media within the rapid sand filters. While this occurrence did not lead to a violation of the plant SPDES permit, it did provide an opportunity to troubleshoot the physical and operational parameters that led to this condition. There are a few possible causes for the media loss, including backwash pressure, flow and interval, controls sequence and maintenance of the filter bed. The DEP, the facility operator and the design consultant were commissioned to identify the potential causes of the media loss. The sand filter evaluation included reviewing the installation, control strategy and observing the current operation with the operator and sand filter manufacturer. The facility agreed to rebuild the filters with the proper layers of media, and have the manufacturer reprogram the controls. The design consultant has provided recommendations for proper operating procedures to maintain the sand filters in good working condition. The DEP has authorized the Owner and Arcadis to proceed with the recommendations; the consultant will circulate a request for proposal (RFP) to all relevant parties for a brief internal review prior to contractor solicitation. All relevant parties have accepted the terms of the RFP; bids have been received for the sand filter repair and cost sharing between the DEP and owner has been established. The sand filters have been restored to their original specifications.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: North Castle and Harrison Pump Stations

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Kensico | RC0000002 | Yes | No | No |

Comments

None.

Inspections

DEP conducted compliance inspections throughout the first and second quarter of 2014 at the sewage pump stations in the Town of North Castle on Old Route 22, Cooney Hill Road, Route 120 (Loudens Cove), New King Street, Old Orchard Street and the pump station in the Town of Harrison on Park Lane. The inspections revealed no abnormal conditions.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: Waccabuc Country Club

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Cross River | NY0105708 | Yes | No | Yes |

Comments

None.

Inspections

On March 11, 2014, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On June 25, 2014, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A2. Flow Metering' received a rating of Marginal with comments: 'Totalizer = 5953435. Unit is overdue for calibration.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
August 2014

Facility: West Lake Sewer Extension

| Basin | SPDES | Inspected | Seasonal WWTP | Report Sent to Owner |
|--------------|--------------|------------------|----------------------|-----------------------------|
| Kensico | RC0000001 | Yes | No | No |

Comments

None.

Inspections

Staff performed inspections of the West Lake Trunk Sewer throughout the first and second quarter of 2014 in conjunction with regularly scheduled storm water BMP inspections within the Kensico Basin. The inspections revealed no abnormal conditions.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

The Westchester County Department of Environmental Facilities (WCDEF) has faithfully submitted the results of the annual inspection and flushing of all associated pipelines, in accordance with the New York State Department of Environmental Conservation (NYSDEC) and the WCDEF Order on Consent (DEC Case No. 3-R3-20030228-17), to all relevant regulatory agencies. No problems within the line were reported.